

SIPOVSKIY, G.V.; KAMP, R.

Distribution of neutral oils in the system phenolate solution -
solvent. Khim. i tekhn. gor. slan. i prod. ikh perer no.13:
238-242 '64.

Method for determining neutral, oils in solutions of benzene
fraction phenolates of the tar from oil shale semicoking.
(MIRA 18:9)
Ibid.:243-247

SIPOVSKIY, P. V.

Sipovskiy, P. V. "Statistics of sickness from echinococcosis in the Stalinabad population. According to sectional data of 1935-1940," Med. parazitologiya, i parazitar. bolezni, 1948, No. 6, p. 553-56 - Bibliog: 9 items

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550820006-4

SIPOVSKIY, P. B.

"The Role of the Neurogenic Factor in Etiology and Pathogenesis of Round Ulcer of the Stomach" (bk), c1949.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550820006-4"

SIPOVSKIY, P.V.

[Histogenesis of osteophytes in stumps] Гистогенез остеофитов
ампутационных культи. Арх.пат., Москва 12 №.1:94-99 Я-Р '50.
СМЛ 19:1)

1. Of the Pathologico-Anatomic Department (Head -- Prof. P.V.Sipovskiy),
State Central Traumatological Institute imeni R.R.Vreden, Leningrad.

FILATOV, A.N; SIPOVSKIY, P.V.

Use of fibrin films and sutures in neurosurgery, healing
of the dura mater by closure of wounds with fibrin films.
Vopr. neirokhir. 14 no.5:19-23 Sept-Oct. 1950. (CIML 20:1)

1. Of the Surgical Division (Head -- Prof. A. N. Filatov)
and the Pathologico Anatomic Division (Scientific Director
-- Prof. P. V. Sipovskiy) of the Leningrad Order of the Red
Banner of Labor Scientific-Research Institute of Blood Trans-
fusion.

SIPOVSKIY, P.V.

Investigation on patho-histologic modifications in terminal sections
of the bone fragments in pseudarthrosis. *Arkh. pat., Moskva* 13 no.5:
50-58 Sept-Oct 1951. (CIML 21:2)

1. Of the Pathologico-Anatomic Division (Head -- Prof. P. V. Sipovskiy),
Central State Traumatological Institute imeni Prof. R. R. Vreden,
Leningrad.

SIROVSKIY, I. V. PROF.

SIROVSKIY, I. V. PROF.

Teeth

So-called phenomenon of vacuolation of odontoblasts and its biological significance. Stomatologija No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ~~October 1952-1953~~, Uncl.

SIPCOVSKIY, P. V., Prof.

Children - Diseases

Clinico-morphological diagnosis of dysentery in children. Pediatriia, no. 3, '52.

9. Monthly List of Russian Accessions, Library of Congress, October 1953, Uncl.
2

SIPOVSKYY, P. V., Prof.

Card 1 of 1

USSR/Medicine - Plastic Surgery Sep/Oct 52

"Application of Preparations From Blood Fibrin in Experiments on Animals and in Surgical Practice," Prof A. N. Filatov, Prof P. V. Sipovskyy, Surg Clinic and Pathoanat Dept, Leningrad Order of Labor Red Banner Sci Res Inst of Blood Transfusion

"Vest Khirurgii" Vol 72, No 5, pp 29-32

Authors describe exptl use of blood fibrin in the treatment of open wounds in animals, and in some surgery of humans. They report rapid healing of open wounds on application of a fibrin film.

(1)

229T54

SIPOVSKYY, P. V., Prof.

The wounds closed by primary union, with very little granulation, and a thin layer of scar tissue observed only by microscope. In expts with injured organs (intestinal walls, liver, spleen) heterogeneous films and sutures were used. Postoperative exams revealed the rapid resorption of fibrin threads, as compared with catgut, and other std suture material. Authors state that in view of their fragility, these sutures cannot be recommend for wide surgical use. Surgery in humans demonstrated the efficiency of blood fibrin film in plastic surgery of ulcerations, as a hemostatic agent in cholecystectomies, in peritoneal injuries after splenectomies in

(2)
229T54

Card 2 of 2

dermal injuries with destruction of the epithelium layer, and in the treatment of abrasions and bed sores. States that expts on dogs proved the efficiency of the fibrin film in treatment of injuries of duramater. Authors advise that by authority of the Sci Med Council Min of Pub Health USSR, mass prepn of fibrin film for external use has been delegated to the Myasokombinat Meat Combin⁷ of Leningrad. Fibrin films used in neurosurgery and int surgery are prep'd at the authors' institute from human blood. Also briefly describe a new type of absorbent cotton prep'd from blood fibrin and recommended for its high hygroscopic properties.

229T54

(3)

SIPOVSKIY, P.V., professor, zaveduyushchiy.

Histogenesis of intrapulpal cysts. Stomatologija no.3:16-23 '53.
(MLB 6:7)

1. Kafedra patologicheskoy anatomii Leningradskogo meditsinskogo stomatologicheskogo instituta.
(Teeth--Diseases) (Cysts)

SIPOVSKIY, P.V.

Redistribution of calcium salts in bone tissue as one of the
forms of reactive changes. Ortop.travm. i protez. no.4:3-8
J1-Ag '55. (MLRA 8:10)

1. Iz patologoanatomicheskogo otdeleniya (zav.-prof. P.V. Sipovskiy) Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir.-prof. V.S.Balakina, nauchnyy rukovoditel'-deystvitel'nyy chlen AMN SSSR prof. S.S.Girgolav)
(BONE TISSUE, metabolism,
calcium salts, redistribution as manifest. of reactive
changes)
(CALCIUM, metabolism,
bone, redistribution as manifest. of reactive changes)

ABRIKOSOV, A.I., akademik; VINOGRADOVA, T.P., professor; KARPOV, N.A., professor; LAZOVSKIY, Yu.M., professor [deceased]; POD"YAPOL'SKAYA, V.P.; RAPOPORT, Ya.L.; SIROVSKII, R.V., professor; SOLOV'YEV, A.A., provessor; SCHENSONOVICH, V.B.; SMNCHILO, K.K., tekhnicheskii redaktor

[Handbook of pathological anatomy] Mnogotomnoe rukovodstvo po patologicheskoi anatomii. Moskva, Gos. izd-vo med. lit-ry. Vol.4. [Pathological anatomy of diseases of the digestive organs] Patologicheskaiia anatomia boleznei organov pishchevareniiia. Red. toma A.I. Abrikosov. Book 1. 1956. 551 p. (MIRA 10:2) (DIGESTIVE ORGANS--DISEASES)

Country : USSR
Category: Human and Animal Morphology (Normal and Pathological).
 Skeleton

Abs Jour: RZhBiol , No 2, 1959, No 7607

Author : Sipovskiy, P V
Inst : -
Title : The Role of Functional Loading in the Development of
 Some Structural Changes in Normal and Injured Joints.

Orig Pub: V sb : Probl. funktsion morfol. dvigatel'n. apparata.
 L., Medgiz, 1956, 112-124

Abstract: The processes of physiological accommodation of tissues
and organs to new conditions of activity may be fre-
quently taken for pathological. Experiments (on rabbits)
which detected the reactivity of cartilagenous and os-
seous tissues were conducted. In exclusion of the hip

Card : 1/2

KASHKAROV, S.Ye.; SIPOVSKIY, P.V.

Healing of experimental fractures in cases of radiation sickness
after osteosynthesis with metal pins. Med.rad. 1 no.5:65-72 S-O '56.
(MLRA 9:12)

1. Iz patologoanatomiceskogo otdeleniya (zav. - prof. P.V.Sipovskiy)
Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i
ortopedii.

(FRACTURES, exper.

osteosynthesis with metal pins in rabbits, eff. of exper.
radiation sickness on healing)

(RADIATION SICKNESS, exper.

eff. on healing of fractures in rabbits after osteosynthesis
with metal pins)

SIPOVSKIY, P.V.

BALAKINA, V.S.; SIPOVSKIY, P.V.

Studying experimentally reproduced free intraarticular bodies.
Ortop.travm. i protez. 17 no.6:133-134 N-D '56. (MIRA 10:2)

1. Iz patologo-anatomicheskogo otdeleniya Leningradskogo nauchno-
issledovatel'skogo instituta travmatologii i ortopedii.
(JOINTS)

SIPOVSKIY, P.V. (Leningrad, ul. Dostoyevskogo, d.2, kv. 15)

Some results of a study on the effect of medullary nails on the healing of fractures and on the condition of bone tissue [with summary in English, p.159] Vest.khir. 77 no.9:46-54 S '56.

(MLRA 9:11)

1. Iz patologoanatomicheskogo otdeleniya (zav. - prof. P.V.Sipovskiy) Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(FRACTURES, surg.

nailing, eff. of medullary metal nails on healing
& bone tissue)

(SPLINTS

intramedullary metal ~~nails~~, eff. on healing & bone tissue)

SIPOL'SKII, P.V.

STRUKOV, A.I., professor; ABRIKOSOV, A.I., akademik, redaktor [deceased];
RAPOPORT, Ya.L., professor, redaktor; POD'YAPOL'SKAYA, V.P.,
professor, redaktor; SIPOL'SKII, P.V., professor, redaktor;
SCHENSONOVICH, V.B., redaktor; SENCHIKO, K.K., tekhnicheskiy redaktor

[Manual on pathological anatomy in several volumes] Mnogotomnoe
rukovodstvo po patologicheskoi anatomii. Otv.red. A.I.Strukov.
Moskva, Gos. izd-vo med. lit-ry. Vol.4. [Pathological anatomy
in diseases of the digestive organs] Patologicheskaiia anatomiia
bolezni organov pishchevareniia. Red. toma A.I. Abrikosov.
Book 2. 1957. 636 p. (MLRA 10:3)

1. Chlen-korrespondent AMN SSSR (for Strukov)
(DIGESTIVE ORGANS--DISEASES)

USSR/General Biology - General Histology.

B

Abs Jour : Ref Zhur Biol., No 6, 1959, 23565

Author : Sipovskiy, P.V.

Inst : Leningrad Scientific Research Institute of Traumatology
and Orthopedics.

Title : The General Characteristics of Osteogenic Tissues and
Their Role in Formation of Osseous Tissue.

Orig Pub : Tr. Leningr. n.-i. in-ta travmatol. i ortopedii, 1957,
vyp. 6, 5-24

Abstract : A survey, which contains the accounts of various theories
of osseous tissue formation. The role of bone marrow,
periosteum, and endosteum in osteogenesis is discussed.
Bibliography, 91 items.

Card 1/1

SIPOVSKIY, P.V. (Leningrad)

Morphological characteristics of so-called joint mice [with summary
in English]. Arkh.pat. 19 no.8:72-79 '57.
(MIRA 10:12)

1. Iz patologoanatomiceskogo otdeleniya (sav. - prof. P.V.
Sipovskiy) Leningradskogo gosudarstvennogo nauchno-issledovatel'-
skogo instituta travmatologii i ortopedii (dir. - prof. V.S.Balakin)
(OSTEOARTHRITIS, pathology.
joint mouse (Rus))

SIPOVSKIY, P.V.

Microscopically detectable disturbances in the distribution of calcium salts in the cementum. Stomatologija 36 no.6:14-18
N-D '57. (MIRA 11:2)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. P.V.Sipovskiy)
Leningradskogo gosudarstvennogo instituta usovershenstvovaniya
vrachey imeni S.M.Kirova (dir. - prof. N.I.Blinov)
(CALCIUM IN THE BODY) (CEMENT)

SIPOVSKIY, P.V. (Leningrad, ul. Dostoyevskogo, d.2, kv.15)

Bone tissue in preatrophic and atrophic states [with summary in English, p.159]. Vop.khir. 78 no.2:84-93 F '57. (MLRA 10:3)

1. Iz patologoanatomiceskogo otdeleniya (zaveduyushchiy - professor P.V.Sipovskiy) Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(BONES, dis.
atrophic & pre-atrophic cond., histopathol. (Rus))

(ATROPHY
bone tissue, histopathol. of atrophic & pre-atrophic cond. (Rus))

Surgery
EXCERPTA MEDICA Sec 9 Vol.12/6 Surgery June 58

3093. (734) THE MORPHOGENESIS OF HETEROPLASTIC BONE FORMATION
(Russian text) - Sipovskiy P. V. VESTN. KHIR. 1957, 78/4 (27-33)
illus. 9

The material studied was divided into cases of: (1) 'immature' product of ossification - 5 cases, and (2) 'mature', when the process of ossification was completed - 12 cases. Thus the process of bone formation could be studied as a whole, the morphology of each stage being evaluated and described. The study confirmed the statement of those authors who presume a direct and non-direct course of the metaplastic ossification. First a calcification of connective tissue is most often noted, an initial-'primitive' fibrous bone tissue being formed. In cases of high calcium salt level young and not wholly differentiated cells may start the process of calcification, the primitive fibrous bone being transformed into a laminar one.

*Patholog-anatomicheskogo dep.
Leningrad State Sci Res Inst.
Traumatology & orthopedics*

~~SIPOVSKIX~~, professor; GOLOVIN, G.V., kandidat meditsinskikh nauk
(Leningrad)

Conference in Sverdlovsk dedicated to problems of treating disabled
World War II veterans and using metals in surgical practice. Vest.
khir. 78 no.6:145-150 Je '57. (MIRA 10:8)
(VETERANS, DISABLED--REHABILITATION)
(ORTHOPEDIA)

SIPOVSKIY, P.V., prof. (Leningrad, ul. Dostoyevskogo, d.2, kv.15)

General characteristics of atypical forms of osteogenesis; morphology
of pathological callus formation [with summary in English on p.157].
(MIRA 10:12)
Vest.khir. 79 no.10:30-39 O '57.

1. Iz patologo-anatomiceskogo otdeleniya (zav. - prof. P.V.Sipov-
skiy) Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo
instituta travmatologii i ortopedii.

(FRACTURES
pathol. callus form. inosteogenesis (Rus))

SIPOVSKIY, P.V., ANTIPIINA, A.N. (Leningrad)

Changes in bone tissue after prolonged exposure to pressure.
Eksper.khir. 3 no.5:60-61 S-0 '58 (MIRA 11:11)
(FRACTURES, exper.
eff. of metal pin on bone tissue in rabbits (Rus))
(BONE AND BONES, physiology
eff. of prolonged pressure by metal nail (Rus))

FUNKSSTEYN, L.V., SIPOVSKII, P.V.

Morphological aspects of death during or shortly after irradiation.
Med.rad 3 no.5:82-84 S-0 '58 (MIRA 11:12)

1. Iz otdeleniya patologicheskoy morfologii TSentral'nogo nauchno-
issledovatel'skogo rentgeno-radiologicheskogo instituta i kafedry
patologicheskoy anatomii Gossudarstvennogo instituta dlya
usovershenstvovaniya vrachey imeni S.M. Kirova.

(ROENTGEN RAYS, eff.
death during or shortly after irradiation, morphol.(Rus))

SIPOVSKIY, P.V.

Role of dissolved and precipitated lime salts (petrificates)
in the process of ossification. Trudy.Len.gos.nauch.-issl.
inst.travm.i ortop. no.7:3-16 '58. (MIRA 13:6)

1. Iz patologoanatomiceskogo otdeleniya Leningradskogo gosu-
darstvennogo nauchno-issledovatel'skogo instituta travmatolo-
gii i ortopedii.

(OSSIFICATION)

BALAKINA, V.S.; SIPOVSKIY, P.V.

Study of experimentally reproduced free intra-articular bodies
(Joint mice"). Trudy Len.gos.nauch.-issl.inst.travn.i ortop.
no.7:17-25 '58. (MIRA 13:6)

1. Iz patologoanatomickogo otdeleniya Leningradskogo gosu-
darstvennogo nauchno-issledovatel'skogo instituta travmatologii
i ortopedii.

(JOINTS--DISEASES)

SIPOVSKIY, P.V.

Morphogenesis and pathogenesis of isolated exostoses [with summary
in English]. Khirurgija 34 no.2:90-99 F '58. (MIRA 11:4)

1. Iz patologoanatomiceskogo otdeleniya (zav. - prof. P.V.
Sipovskiy) Leningradskogo nauchno-issledovatel'skogo instituta
travmatologii i ortopedii.

(EXOSTOSIS
morphogen. & pathogen. of single exostosis (Rus))

SIPOVSKIY, P.V.; FUNSHTEYN, L.V. (Leningrad)

Significance of orthostatic circulatory disorders in the effect of
total-body roentgen-irradiation in rabbits. Med. rad. 4 no.3:80-81
Mr '59. (MIRA 12:7)

(BLOOD CIRCULATION, physiol.
eff. of orthostatic hemodynamic disord. on rabbit reactions
to total-body x-ray irradiation (Rus))
(ROENTGEN RAYS, EFFECTS,
same)

SIPOVSKIY, P.V., prof.

Several cases of giant cell proliferation of tendon sheaths (giant cell tenosynovioma; giant cell peritenonioma). Ortop.travm.i protez. 20 no.4:75-79 Ap '59. (MIRA 13:4)

1. Iz patologoanatomiceskogo otdeleniya Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(SYNOVIOMA, case reports
giant cell tenosynovioma (Rus))

SIPOVSKIY, P.V., prof.

Pathoanatomical characteristic of virus influenza A57 from 1957
Leningrad autopsy data. Arkh.pat. 21 no.6:13-24 '59. (MIRA 12:12)

1. Glavnnyy patologoanatom Lengorzdravotdela.
(INFLUENZA, pathol.
A57, autopsy studies (Rus))

CHISTOVICH, A.N.; SIPOVSKIY, P.V.

Brief survey of activities of the Leningrad Society of
Pathoanatomists during the past 50 years (1909-1959).
Arkh.pat. 21 no.11:3-14 '59. (MIRA 13:12)
(LENINGRAD—PATHOANATOMICAL SOCIETIES)

SIPOVSKIY, P.V. (Leningrad, ul. Distoyevskogo, d.2, kv.15)

Early (primary) forms of microscopic osseous reactions to stimulation.
Arkh. anat. glist. i embr. 36 no.4:16-22 Ap '59. (MIRA 12:7)

1. Kafedra patologicheskoy anatomii (zav. - prof. P.V. Sipovskiy)
Leningradskogo instituta dlya usovershenstvovaniya vrachey im. S.M.
Kirova.

(BONE AND BONES, physiol.
eff. of stimulation, microscopy (Rus))

VLASOVA, Z.A.; SIPOVSKIY, P.V. (Leningrad)

Characteristics of peptic ulcer of the stomach and its complications,
according to autopsy data in Leningrad from 1952-1956. Klin.med. 37
no.10:54-58 O '59. (MIRA 13:2)

1. Iz kafedry patologicheskoy anatomii (zaveduyushchiy - prof. P.V.
Sipovskiy) Leningradskogo gosudarstvennogo instituta dlya usovershenst-
vovaniya vrachey imeni S.M. Kirova (direktor N.I. Blinov).
(PEPTIC ULCER pathol.)

SIPOVSKIY, P V

69

PHASE I BOOK EXPLOITATION

SOV/5435

Kiselev, P. N., Professor, G. A. Gasterin, and A. I. Strashinin, Eds.

Voprosy radiobiologii. t. III: Sbornik trudov, posvyashchenny 60-letiyu so
dnya rozhdeniya Professora M. N. Pobedinskogo (Problems in Radiation Biology.
v. 3; A Collection of Works Dedicated to the Sixtieth Birthday of Professor
M[ikhail] N[ikolayevich] Pobedinskiy [Doctor of Medicine]) Leningrad.
Tsentr. nauchno-issled. inst. med. radiologii M-va zdravookhraneniya SSSR, 1960.
422 p. 1,500 copies printed.

Tech. Ed.: P. S. Peleshuk.

PURPOSE: This collection of articles is intended for radiobiologists.

COVERAGE: The book contains 49 articles dealing with pathogenesis, prophylaxis,
and therapy of radiation diseases. Individual articles describe investigations
of the biological effects of radiation carried out by workers of the Central
Scientific Research Institute for Medical Radiology of the Ministry of Public
Health, USSR. [Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy
radiologii Ministerstva zdravookhraneniya SSSR] during 1958-59. The following

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Problems in Radiation Biology (Cont.)

SOV/5435

topics are covered: various aspects of primary effects of radiation; the course of some metabolic processes in animals subjected to ionizing radiation; reactions in irradiated organisms; morphologic changes in radiation disease; and reparation and regeneration of tissues injured by irradiation. Some articles give attention to the effectiveness of experimental medical treatments. No personalities are mentioned. References accompany almost all of the articles.

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Problems in Radiation Biology (Cont.) SCV/5435

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Card 6/10

Problems in Radiation Biology (Cont.)	898/3435
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Card 7/10

SIPOVSKIY, P.V.; KAISHAURI, N.L.

Statistical data on diseases of the blood system in Leningrad
from 1952-1959. Probl.gemat.i perel.krovi 5 no.6:9-13 Je '60.
(MIRA 13:12)
(LENINGRAD-BLOOD-DISEASES)

FUNSHTEYN, Lev Vladimirovich; VASIL'YEVA, Ye.I.; GRACHEVA, N.D.;
OCHINSKAYA, G.V.; PROTAS, L.R.[deceased]; RABINOVICH, R.M.;
SHCHERBAN', E.I.; SIPOVSKIY, P.V., red.; RULEVA, M.S., tekhn.
red.

[Atlas of the pathological anatomy of acute experimental radiation sickness] Atlas patologicheskoi anatomii ostrooi luchevoyi
bolezni v eksperimente. Leningrad, Medgiz, 1961. 216 p.
(MIRA 15:2)

(RADIATION SICKNESS) (ANATOMY, PATHOLOGICAL--ATLASES)

SIPOVSKIY, Petr Vasil'yevich

[Morphological characteristics of adaptive (compensatory) and
reparative reactions of bone tissue] Morfologicheskaja kharak-
teristika prispособitel'nykh (kompenсatornykh) i reparativnykh
reaktsii kostnoi tkani. Leningrad, Medgiz, 1961. 230 p.
(MIRA 14:11)

(BONE)

SIPOVSKIY, P. V., prof.

Biological (pathomorphological) characteristics of bone homografts
preserved in paraffin. Vest. khir. no.12:17-22 '61.
(MIRA 15:2)

1. Iz patologoanatomiceskogo otdeleniya (zav. - prof. P. V.
Sipovskiy) Leningradskogo nauchno-issledovatel'skogo instituta
travmatologii i ortopedii.

(BONE GRAFTING)

SIPOWSKIY, P.V.; VLASOVA, Z.A. (Leningrad)

Atherosclerosis morbidity according to autopsy data in Lenin-
grad during the period 1954-1958. Klin.med. 39 no.5:65-73
(MIRA 14:5)
My '61.

1. Iz prozektorskoy komissii Leningradskogo gorodskogo otdela
zdravookhraneniya i kafedry patologicheskoy anatomi (zav. -
prof. P.V. Sipovskiy) Gosudarstvennogo instituta dlya usover-
shenstvovaniya vrachey imeni S.M. Kirova.
(ARTERIOSCLEROSIS)

AVTANDILOV, Georgiy Gerasimovich; SIPOVSKIY, P.V., prof., otv.
red.; KUMUKOVA,S.S., tekhn. red.

[Vascular plexuses of the brain; their morphology, function,
pathology] Sosudistye spleteniya golovnogo mozga; morfologiya,
funktsiya, patologiya. Nal'chik, Kabardino-Balkarskoe knish-
noe izd-vo, 1962. 126 p. (MIRA 16:5)
(BRAIN--BLOOD SUPPLY)

SIPOVSKIY, P.V., prof.

"Problems of endemic pathology". Reviewed by P.V.Sipovskii.
Azerb.med.zhur. no.2:72-76 F '62. (MIRA 16:4)
(PATHOLOGY)

L 16176-63

EWT(1)/EWT(m)/BDS/ES(j) AMD/AFFTC/ASD AB/K

ACCESSION NR: AT3002380

S/2930/62/000/000/0197/0206

AUTHOR: Funshteyn, L. V.; Sipovskiy, P. V. (Leningrad) 57TITLE: Morphological changes in sudden radiation death and in
so-called radiation shock death 19SOURCE: K voprosam ranney diagnostiki ostroy luchevoy bolezni;
sbornik nauchnykh rabot. Kiev, Medgiz USSR, 1962, 197-206TOPIC TAGS: morphological change , large X-irradiation dose , internal
radiation, sudden death, leucocyte , organ , radiation shock,
X-ray , Cobalt-60, survivabilityABSTRACT: Morphological changes after irradiation and up to time of
death were studied in 30 animals (rabbits and guinea pigs). 7 animals
were exposed to single total X-irradiation of 800 or 500 r, 17 animals
were exposed to X-irradiation doses fluctuating from 1500 to 9840 r,
5 animals were internally irradiated with Co⁶⁰ (2.5 to 20 microcuries/
kg), and 1 animal was internally irradiated with Cs¹³⁷ (35 micro-
curies/kg). All animals died within the following periods: 7 during
irradiation, 6 the 1st day, 13 at 1-2.5 days, and 4 at 3.5-12 days.
Organ tissues were investigated and leucocyte counts made. Results
Card 1/2

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ACCESSION NR: AT3002380

show that an accumulation of leucocytes is found in the lungs and spleen of X-irradiated animals dying the first day except for the internally irradiated animals. In X-irradiated animals with increased survivability the number of leucocytes in the organ tissues drops progressively and after 3.5-12 days no leucocytes can be found. Tissue investigations reveal morphological changes in the kidneys, liver, lungs, bone marrow, spleen, and lymph nodes in the form of blood circulatory and dystrophic-necrotic disturbances. These changes coincide or approach morphological manifestations of acute radiation sickness. Radiation shock and conditions leading to death within 2 days after exposure can be equated morphologically with a fulminant form of acute radiation sickness. In radiation shock the most immediate causes of death are the various lung changes which restrict the respiratory function. Morphological changes in the organs of all animals studied are practically alike and cannot be identified by time of death. Orig. art. has: 6 figures, 1 table.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 28May63

ENCL: 00

Card 2/2 SUB CODE: AM NO REF SOV: 010 OTHER: 013

KHAZANOV, Nisim Timofeyevich; BUKOVSKY, P.V., red.; SHMETLER,
S.Ye., red.

[Pathanatomical characteristics of the principal lung
diseases] Patologoanatomiceskaya kharakteristika vazh-
neishikh zabolеваний легких. Leningrad, Meditsina,
(MIRA 182)
262 p.

SIPOVSKIY, P.V. [deceased]

The cause-effect relationships in the study of disease and its
development (determinism in nosology). Trudy Inst. eksp. morf.
AN Gruz. SSR 11:19-25 '63. (MIRA 17:11)

1. Kafedra patologicheskoy anatomii Gosudarstvennogo instituta
usovershenstvovaniya vrachey imeni Kirova, Leningrad.

SIPOVSKIY, P.V. [deceased]; ANTIPINA, A.N. (Leningrad)

Morphological characteristics of the thyroid gland in practically
healthy residents of Leningrad. Arkh. pat. 25 no.11:58-67 '63.
(MIRA 17:12)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. P.V.Sipovskiy
[deceased]) Leningradskogo instituta usovershenstvovaniya vrachey
imeni S.M.Kirova.

VOLYNSKIY, Z.M., prof.; SIPOVSKIY, P.V., prof. [deceased]; GOGIN, Ye.Ye.;
CHIGIRINSKIY, A.N.

Statistical data on the frequency of the incidence of peri-
cardial diseases. Kardiologiya 5 no.2:45-51 Mr-Ap '65.
(MIRA 18:7)

1. Kafedra voyenno-morskoy i gospital'noy terapii (nachal'nik
prof. Z.M.Volynskiy) Voyennomeditsinskoy ordena Lenina akademii
imeni S.M.Kirova i kafedra patologicheskoy anatomii (zav. -
prof. P.V.Sipovskiy [deceased]) Leningradskogo ordena Lenina
instituta usovershenstvovaniya vrachey imeni S.M.Kirova.

GRETTI, Andrzej; SIPOWICZ, Izabella; SWIATECKI, Lech

Coincidence of placenta praevia with late pregnancy toxemia. Gin.
polska 31 no.4:401-407 Jl-Ag '60.

1. Z Kliniki Położnictwa i Chorob Kobiecych A.M. w Białymostku
Kierownik: prof. dr med. S. Soszka
(PLACENTA PRAEVIA case reports)
(PREGNANCY TOXEMIAS case reports)

SIPOWICZ, Izabella

Excretion of uropepsin in the 3d trimester of pregnancy (preliminary communication). Ginek. pol. 34 no.4:447-452 '63.

l. Z Kliniki Poloznictwa i Chorob Kobiecyh AM w Bialymstoku
Kierownik: prof. dr med. S. Soszka i z Wojewodzkiego Szpitala
Polozniczo-Ginekologicznego w Bialymstoku Dyrektor: lek.

M. Doroszko.

(UROPEPSIN) (URINE)

KRAWCZUK, Aleksander; SZAMATOWICZ, Marian; SZAMATOWICZ, Jadwiga;
SIPOWICZ, Izabela

Behavior of the gonadotropin ingibitors in the urine of
prepuberal girls. Ginek. Pol. 36 no.10:1133-1135 O '65.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych AM w Bialym-
stoku (Kierownik: prof. dr. med. S. Soszka).

SIPP, K.I.

The ETN-171 trench excavator. Biul. tekhn.-ekon. inform. no. 2:37-
38 '61. (MIRA 14:2)

(Excavating machinery)

SIPPI, I.V.

Changes of hematologic indexes in brucellosis. Klin. med., Moskva
30 no. 11:38-42 Nov 1952. (CIML 23:5)

1. Leningrad.

SIPRAK, J.

J. SIPRAK

"Road Maintenance, p. 15," (GRANDVINAR, Vol. 5, No. 1, Jan. 1953,
Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11,
Nov. 1953, Uncl.

SIPPAK, J.

Tunnel near Donja Dobra. r. 371. CESTE I MOSTOVI. Zagreb. Vol. 3,
No. 10, Oct. 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956

SIPRAK, J.

Adriatic highway from Novi to Zadar. p. 226

CESTE I MOSTOVI, Zagreb, Vol 4, No. 6, June, 1956

SO: East European Accessions List, Vol 5, No. 10, Oct., 1956

STIPAK, J.

STIPAK, J. Economical aspects of road designing. p. 321.

Vol. 4, No. 8/9, Aug./Sept. 1956.

STATE INDUSTRIAL
TECHNOLOGY
Zagreb, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

ACC NR: AP6034237

SOURCE CODE: UR/0120/66/000/005/0173/0176

AUTHOR: Siprikov, I. V.; Lyubitov, Yu. N.

ORG: none

TITLE: Use of an electron multiplier with a continuous dynode in mass spectrometry

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1966, 173-176

TOPIC TAGS: mass spectroscope; electron multiplier; MASS SPECTROMETRY

ABSTRACT: Some characteristics of an electron multiplier with a continuous dynode are considered. The electron multiplier (see Fig. 1), used in MI-1301 and Mi-1303 mass spectrometers, includes the following: a multiplier steel cavity (6), mass spectrometer analyzer tubes (4), ion receivers (2, 3, and 5), a positive ion path (1), an ion collector (7), and a pressure tube (8). The positive ions pass through ion receivers, enter the multiplier through the grid, and interact with the electro-conductive layer on the dynode plates. Input and output ion currents are measured with electrometric amplifiers. The output ion current is also measured with a ratemeter which has a maximum counting speed of about 10^5 pulses/sec. The working range for the voltage U_k applied to the dynode plates is between 1 and 2.4 kv. Parasitic pulses caused by feedback occur for voltages in excess of 2.4 kv. Orig. art. has: 5 figures.

Card 1/2

UDC: 621.385.15:621 34.8

ACC NR: AP6034237

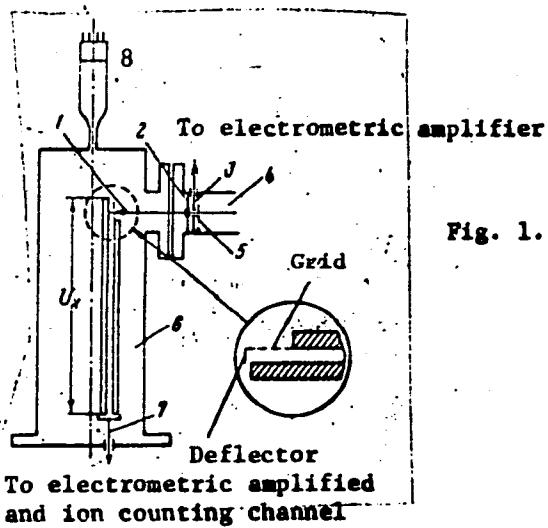


Fig. 1. Electron multiplier diagram

SUB CODE: 07, 10/ SUBM DATE: 26Aug65/ ORIG REF: 002/ OTH REF: 003/

Card 2/2

L 12045-65 EWT(1)/EWG(k)/EWP(e)/EWT(m)/EPA(sp)-2/EPA(w)-2/EEC(t)/EEC(b)-2/
EWP(b)/EWA(m)-2/EWA(h) Pg-4/Pz-6/Pab-10/Peb IJP(c)/SSD/AFML/ASD(a)-5/ESD(c)/
ACCESSION NR: AP4045312 ESD(dp)/ESD(gs)/ESD(t) S/0048/64/028/008/1516/1521

AT/NH

AUTHOR: Chuyko, G.A.; Faynberg, Ye.A.; Siprikov, I.V.; Grechanik, L.A.

TITLE: Secondary electron emission of hydrogen reduced high-lead glasses with enhanced surface conductivity Report, Tenth Conference on Cathode Electronics held in Kiev, 11-18 Nov 1963 B

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.9, 1964, 1516-1521

TOPIC TAGS: secondary emission, electron multiplier, glass, lead oxide, hydrogen reduction

ABSTRACT: The secondary emission coefficients and other properties of hydrogen-reduced high-lead glasses with enhanced surface conductivity were measured in order to assess the suitability of the materials for use as electrodes in electron multipliers in which the dynodes are not equipotential surfaces. Lead-silicate glasses containing a large proportion of PbO and having resistivities of 10^{11} to 10^{12} ohm-cm at 200°C were reduced in hydrogen at 380 to 450°C for 4 to 5 hours. The surface conduction of the resulting materials followed Ohm's law over a wide range of potential gradients, with surface resistivities from 10^6 to 10^{10} ohm. The conductivity was

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ACCESSION NR: AP4045312

stable against prolonged heating at 200°C and against brief heating at 400°C. The temperature coefficient of surface resistivity was 0.3 to 0.4 percent per degree centigrade. Secondary emission coefficients as great as 4.5 were obtained at room temperature for incident electron energies of approximately 300 eV; the secondary emission decreased rapidly with further increase of the primary electron energy. The maximum secondary emission coefficient decreased by approximately 15% when the temperature was raised from room temperature to 340°C, and the secondary emission for high energy primaries increased somewhat. Examination of the energy distribution of the secondary electrons with the aid of a retarding field disclosed the presence of a considerable number of negative energy secondaries, i.e., secondary electrons that would leave the target only under the influence of an accelerating field. It is suggested that a positive charge develops within the target where the glass is still a good insulator. The secondary emission coefficient was practically unaffected by storage in air for a year. The secondary emission from a specimen subjected to continuous bombardment at 3×10^{-5} A/cm² decreased by 30% during the first 30 hours, by another 14% during the succeeding 50 hours, and thereafter remained constant for the remainder of the 120 hour test. It is concluded that hydrogen-reduced lead-silicate glass is a promising material for use in electron multiplier of special design.

Orig.art.hds: 9 figures.

2/3

87370

9.4110 (1003, 1105, 1140)

S/120/60/000/004/009/028
E032/E414AUTHORS: Oshchepkov, P.K., Skvortsov, B.N., Osanov, B.A. and
Siprikov, I.V.TITLE: Application of Continucus Secondary-Electron
Multiplication to the Amplification of Small Currents

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No.4, pp. 89-91

TEXT: The principle of the multiplier is illustrated in Fig.1 in which 1 and 2 are contact rings, 3 is a cylindrical tube (secondary emitter), 4 is the electron collector, 5 is a microammeter and Φ_c is the incident radiation giving rise to secondary electron emission from the inner surface of the cylinder. It was found that the best results were obtained with a mixture of TiO_2 and MgO as the secondary emitter. The electrical conductivity of this mixture can be varied within relatively wide limits and after suitable treatment the material is capable of producing sufficiently high secondary emission. The material for the tube was prepared as follows: one part by weight of TiO_2 and one part by weight of MgO were soaked in ethyl alcohol and thoroughly mixed. The mixture was then dried in air in a drying cupboard at $100^\circ C$ for 2 hours. The dried mixture was sifted and

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E032/E414

Application of Continuous Secondary-Electron Multiplication to the Amplification of Small Currents

baked in a furnace and the temperature was raised to 1200°C at the rate of 200°C per hour and kept at 1200°C for 2 hours. The baked material was then sifted again using the 0053~~B~~ sieve. The powder thus obtained was then used to prepare the following mixture: 1 kg of the above powder, 225 g of homogenized paraffin and 3 to 5 g of oleic acid. The cylindrical tube was made from this mixture by baking in an MgO powder at the rate of 50° per hour up to 1300°C. The specimen was kept at that temperature for 3 hours. It was then allowed to cool over a period of 12 to 15 hours. The tube thus manufactured was then placed in a hydrogen atmosphere and heated to 1200°C in 1 hour. It was kept at that temperature for 30 min and then cooled over a period of 2 hours. The tube was then placed in a special vacuum chamber in which oxygen activation was carried out under the following conditions: temperature 500 to 600°C, pressure of oxygen 0.1 to 0.01 mm Hg, activation time 1 to 3 min. Fig. 4 and 5 show the results obtained. There are 5 figures and 13 references: 10 Soviet and 3 non-Soviet.

Card 2/5

87379
S/120/60/000/004/009/028
E032/E414

Application of Continuous Secondary-Electron Multiplication to the Amplification of Small Currents

ASSOCIATION: Institut metallurgii AN SSSR
(Institute of Metallurgy AS USSR)

SUBMITTED: May 27, 1959

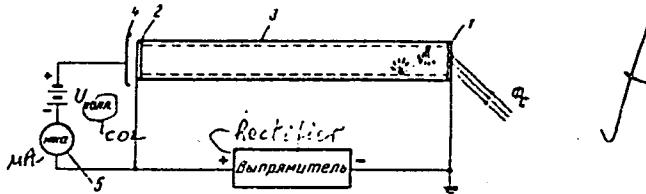


Рис. 1. Схематическое устройство непрерывного вторичноэлектронного умножителя. 1, 2 — контактные кольца, 3 — цилиндрический канал, 4 — коллектор электронов, 5 — прибор, регистрирующий выходной ток, Φ_0 — первичная радиация, вызывающая с внутренней поверхности электронную эмиссию

Fig.1.

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87370

S/120/60/000/004/009/028

E032/E414

Application of Continuous Secondary-Electron Multiplication to the
Amplification of Small Currents

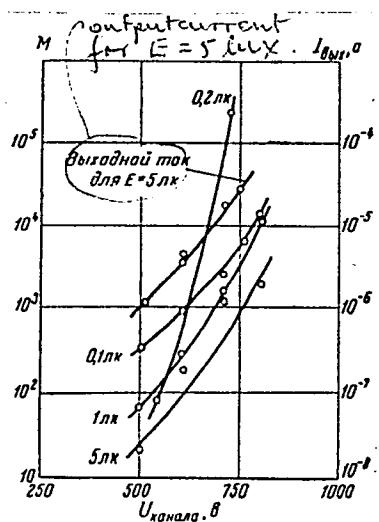


Fig. 4.

Amplification coefficient (M) and output current (I, amps) as functions of the voltage applied to the secondary emitter (V, volts) for 0.1, 0.2, 1 and 5 lux. The curve for 0.2 lux was obtained after baking at 180°C for 30 min.

Card 4/5

SIPRIKOV, I.V.

Investigating the process of continuous secondary electron
intensification in a single-channel multiplier. Trudy Inst.met.
no.5:189-192 '60. (MIRA 13:6)
(Photoelectric multipliers)
(Electrons)

CHUYKO, G.A.; SIPRIKOV, I.V.

Experimental study of secondary electron emission characteristics
of magnesium orthotitanate. Radiotekh. i elektron. 8 no.3:
487-493 Mr '63. (MIRA 16:3)
(Secondary electron emission) (Magnesium orthotitanate)

VETYUKOV, M.M.; SIPRIYA, G.I.

Viscosity of melts in the system $\text{LiF} - \text{AlF}_3$ and $\text{Na}_3\text{AlF}_6 - \text{Li}_3\text{AlF}_6$.

Zhur. prikl. khim. 36 no. 9:1905-1909 D '63.

(MIRA 17:1)

SIPS, L.

YUGOSLAVIA/Nuclear Physics - Structure and Properties of Nuclei C-4

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 430

Author : Alaga G., Sips L., Tadic D.

Inst : Institute Ruder Boskovic, Zagreb, Yugoslavia

Title :: The Influence of the Pseudoscalar Interaction in the Decay
of Pr¹⁴⁴

Orig Pub : Glasnik mat.-fiz. i astron., 1957, 12, No 3, 207-217

Abstract : A theoretical analysis has been made of the hard component of the beta spectrum of Pr¹⁴⁴ ($E_0 = 2.99$ Mev, $\log ft = 6.6$), corresponding to a $0^- \rightarrow 0^+$ transition between the ground states of Pr¹⁴⁴ and Nd¹⁴⁴, assuming the TP variant of interaction with supplementary account for the possible influence of the nuclear forces. The beta interaction was used in the following form

$$\langle H \rangle_B = -g_T \langle \sigma \cdot L_3 \rangle + g_P \langle \sigma \cdot r L_5 \cdot f(r, P, \sigma) \rangle + \frac{i g_F}{2 M} \langle \sigma \cdot \nabla L_5 \rangle,$$

Card : 1/3

SIPS, L.

Distr: 4E3c/4E3d

> Calculation of some relativistic corrections to the allowed
and t -forbidden β -transitions. G. Alaga, L. Sips, and D.
Tadic. *Glasnik mat. fiz. i Astron., Ser. II, T3*, 139-58
(1958).—Some values of coupling consts. result in an ob-
servable effect on the spectra, half-life, K/β^+ ratio, and
angular correlations. By assuming a single particle moving
in a static field and by applying the Foldy-Wouthuysen
transformation, these corrections were calcd. The correc-
tions are independent of the model. M.W.

4
2

✓M?

ALAGA, G. (Zagreb); SIPS, L. (Zagreb); TADIC, D. (Zagreb)

Corrigendum and addendum. Calculation of some relativistic corrections to the allowed and 1-forbidden beta transitions. "Glasnik mat.fiz. i astr.", 13 '58. Glas mat fiz Hrv 16 no.3/4:263-264 '61.

LJOLJE, Krinoslav (Sarajevo); SIPS, Vladimir (Zagreb)

Dispersion relation of electron and plasma in solids.
Glas mat fiz Hrv 18 no.4:285-304 '63.

1. University of Sarajevo, Sarajevo (for Ljolje). 2. Ruder
Boskovic Institute, Zagreb (for Sips).

PAIC, V.; PAIC, M.; PRELEC, K.; CERINEO, M.; ILAKOVIC, K.; SLAUS, I.; TOMAS, P;
VALKOVIC, V.; LJOLJE, K.; SIPS, V.

Review of periodicals; physics. Bul sc Youg 9 no.4/5:126 Ag-0
'64.

1. Ruder Boskovic Institute, Zagreb.

BESPAL'KO, I.G., red.; GUSEV, V.F.; YEVDOKIMOV, F.D., prof., red.;
IVANOV, S.M., red.; NIKULIN, V.N., red.; SICHIOKNO,
G.A., red.; SIPTSOV, A.S., red.

[Transactions of the scientific conference on production]
Trudy nauchno-proizvodstvennoi konferentsii. Pskov, 1962.
(MIRA 18:2)
341 p.

1. Leningrad. Nauchno-issledovatel'skiy veterinarnyy institut.
2. Nachal'nik veterinarnogo otdela Pskovskogo oblastnogo upravleniya proizvodstva i zagotovok sel'skohozyaystvennykh produktov i Leningradskiy Nauchno-issledovatel'skiy veterinarnyy institut (for Nikulin).
3. Leningradskiy veterinarnyy institut (for Yevdokimov).

SIPUKHIN, Ya.M.

Tomography in tumors of the hypophysis and the hypophyseal
region. Vop. psikh. i nevr. no.9:301-308 '62.
(MIRA 17:1)

1. Kafedra nervnykh bolezney (zav. kafedroy - dotsent V.M.
Kanter) Khabarovskogo meditsinskogo instituta (dir. - prof.
S.K. Nechepayev) i rentgenologicheskoye otdeleniye 3-y
gorodskoy klinicheskoy bol'nitsy g. Khabarovska (glavnyy
vrach - A.S. Zuyeva, nauchnyy konsul'tant - prof. M.D.
Gal'perin).

SIPUKHIN, Ya. M.

Topography of the central cratonic fisses. Trudy Gos. nauch.-issl.
perekhnev. inst. 31(15):168 '63. (MIR 17:6)

PA 38/49T48

SIPUNOV, F. I.

USSR /Engineering

Boiler, High Pressure

Scale Removal

Mar 49

"Operation of a High-Pressure Boiler Unit,"
F. I. Sipunov, N. Ye. Yaroslavskiy, Engineers,
4 pp

"Elek Stants" No 3

At present there are five boiler units operating
at 80 atm and 500° C. Discusses scale removal,
operation of superheaters and regulation of
superheat, separation of steam, injury to
pipes of the water economizer, etc. Economy of
38/49T48

USSR /Engineering (Contd)

Mar 49

these high-pressure units still does not exceed
that of average-pressure stations.

38/49T48

TEPLOV, I. I.

104-3-38/45

AUTHOR: Rogatskin, B.S. and Sipunov, F.I., Engineers.

TITLE: The effectiveness of periodic blowing down of boilers from low points. (Ob effektivnosti periodicheskoy produvki kotlov cherez nizhniye tochki)

PERIODICAL: "Elektricheskiye Stantsii" (Power Stations), 1957, Vol.28, No.3, pp. 88 - 90 (U.S.S.R.)

ABSTRACT: At present periodic blow down from the low points of drum type boilers is widely used in power stations to remove sludge. There is a large number of low points on each boiler so the work is laborious and much heat and condensate are lost several times a week. Authors of earlier articles have doubted the need for blowing down in this way on medium pressure boilers. The question has now been studied experimentally in a high pressure boiler. Monthly water analysis figures are given for a period of nearly two years in a boiler type Тп-230 of 100 atm. Water circulation diagrams are given and the location of sludge deposits is described.

It is concluded that during normal operation of a boiler the sludge contained in the water is in a state of suspension and is uniformly distributed. Sludge is deposited only at places where the water is relatively still and then it is washed away as soon as the water speed rises. Sludge is not

Card 1/2

104-3-38/45

The effectiveness of periodic blowing down of boilers from low points. (Cont.)

deposited at the lower points of modern high pressure boilers and there is no point in blowing down periodically to remove sludge. When the boiler is shut down, blowing down from the lower points is an effective way of removing sludge. Blowing down from the lower points should only be applied when the boiler is being lit to remove sludge; to discharge water from the boiler; to stimulate circulation in some parts of the boiler during lighting-up periods. There are 3 figures and 3 Slavic references.

AVAILABLE: Library of Congress
Card 2/2

AUTHOR: Sipunov, F.I., Engineer.

104-4-2/40

TITLE: Combustion of by-products of Donets coal washeries.
(Szhiganie promprodukta donetskikh ugleobogatitelnykh fabrik)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957,
Vol. 28, No.4, pp. 6 - 9 (U.S.S.R.)

ABSTRACT: A power station which has worked for a long time on the by-products of Donets coal washeries is equipped with 13 high pressure boilers of two types. Eight boilers are of the two drum type with a designed output of 105-130 t/h at a pressure of 80 atm. and a superheat temperature of 500 C. Thermal details are given. The remaining five boilers are of Soviet manufacture, type ТН-230-2 with an output of 230 t/h at a pressure of 110 atm. with a superheated steam temperature of 510 C. The fuel for the power station is by-products grades ПХ, ПС and К, some sludge, and also several grades of regular coal and riddlings from them. The regular coals and their riddlings constitute about 43% of the heat of fuel burnt at the station. The fuel is of very variable qualitative composition; the moisture ranges from 3 - 20%, the ash on the dry weight 25 - 40%, the volatiles 18 - 30% and the calorific value 3 200 - 6 000 kcal/kg. The ash characteristics are

1/3

Combustion of by-products of Donets coal washeries. (Cont.)
104-4-2/40
given, and the ash softens and melts at higher temperatures than the slag.

In winter the fuel of high water content freezes so that it is difficult to unload and handle. In addition to by-products the station receives up to 30% of regular coal much of large sizes. Tests made on the first group of boilers established that the best excess air ratio is 1.25. The temperature distribution in the furnace was determined and is presented in the form of an isotherm diagram. The air nozzles were modified to improve the air distribution and details of the modifications are illustrated by sketches.

The Soviet boilers at first worked unstably and the burner region was modified until operation became satisfactory. Various difficulties were encountered when burning fuel of low volatiles content but were mainly overcome by finer milling.

The automatic combustion equipment based on the "fuel-air" system did not ensure economic combustion of fuel of very variable quality, but use of the "steam-air" automatic combustion circuit has improved matters although operation is still not quite correctly regulated.

2/3 It is concluded that washery by-products with an ash content of 25 - 38% are quite suitable for use as power fuel. The

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550820006-4

OPERATION OF WATER-TUBE ECONOMIZERS OF HIGH PRESSURE BOILERS,
U.S. BUREAU OF INVESTIGATION, WASHINGTON, D.C., JUNE 1957, VOL. 28, NO. 9.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550820006-4"

VOYNITSKIY, V.Yu., inzh.; ROGATSKIH, B.S., inzh.; SIPUNOV, F.I., inzh.

Partial automatization and mechanization of chemical feed-water puri-
fication. Elek.sta. 28 no.12:22-26 D '57. (MIRA 12:3)
(Feed-water purification)

AUTHORS: Vopynitskiy, V. Yu, Sipunov, F. I., Engineers SOV/91-58-3-4/28

TITLE: An Apparatus for the Automatic "Pick-up" of the Flame, Based
on a Pulse Due to Rarefaction (Avtomat "podkhvata" fakela s
impul'som po razrezheniyu) Exchange of Experience (Obmen
opytom)

PERIODICAL: Energetik, 1958, Nr 3, pp 7-8 (USSR)

ABSTRACT: The authors report that the automatic flame "pick-ups", based
on cesium photoelements, produced by the TsLEM "Donbassenergo"
proved much too weak and short-lived. The system was de-
scribed by N.N. Komyakov in "Elektricheskiye stantsii", 1955,
Nr 6. The authors now describe and illustrate a new system:
a membrane is placed close to the furnace so that it caves
in as soon as the flame considerably decreases thus pro-
voking a new stage of rarefaction in the upper space of the
furnace. The caving-in of the membrane switches in a mazut
intake to build up the flame. If the flame is not restored
within 6 seconds, a coal-dust intake is automatically opened
by the membrane contacts and kept open until attendant per-

Card 1/2

SOV/91-58-3-4/28

An Apparatus for the Automatic "Pick-up" of the Flame, Based on a Pulse
Due to Rarefaction

sonnel come and regulate the process. Light and sound signals start working as soon as the mazut is switched-in, and coal-dust switched-off.
There is 1 circuit diagram and 1 Soviet reference.

Card 2/2

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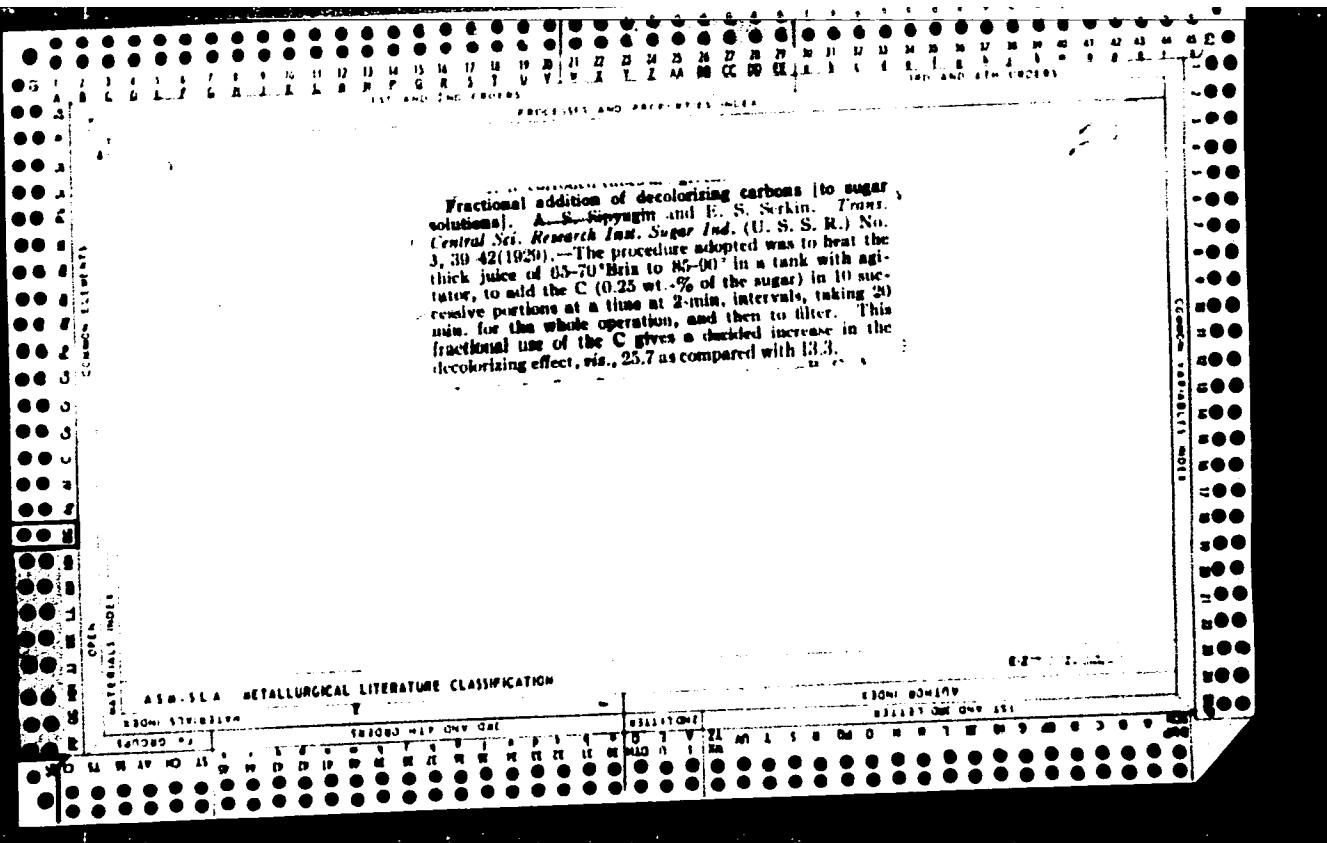
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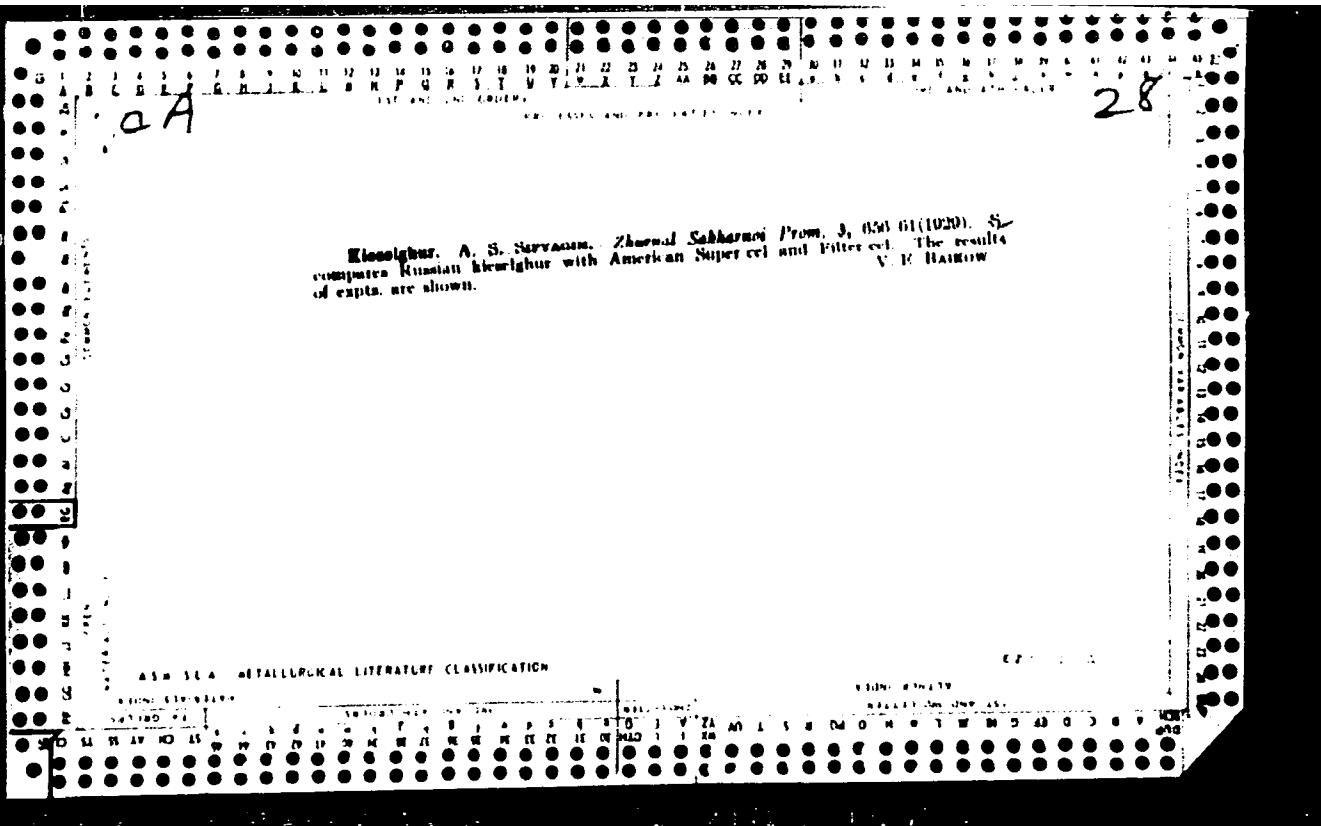
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*ca**78*

Regeneration of activated carbons. A. S. SARYANIN AND K. S. SARKIN. Zhur. Sakharnoy Prom. 4, 170-81(1930).—Activated C made in Russia can be regenerated to 90-95% of its original decolorizing power if the following process is used: boil 2 hrs. in 2% NaOH soln., filter, wash with hot water, then boil again in 2% HCl, filter and wash to pH 7.0-7.2. After drying, heat the C in a retort at 600-650° for 10 min. This method gave good results in the lab. and in the refinery on a large scale. Tables and plans are given.

V. E. BARROW

ASTM-SEA METALLURGICAL LITERATURE CLASSIFICATION

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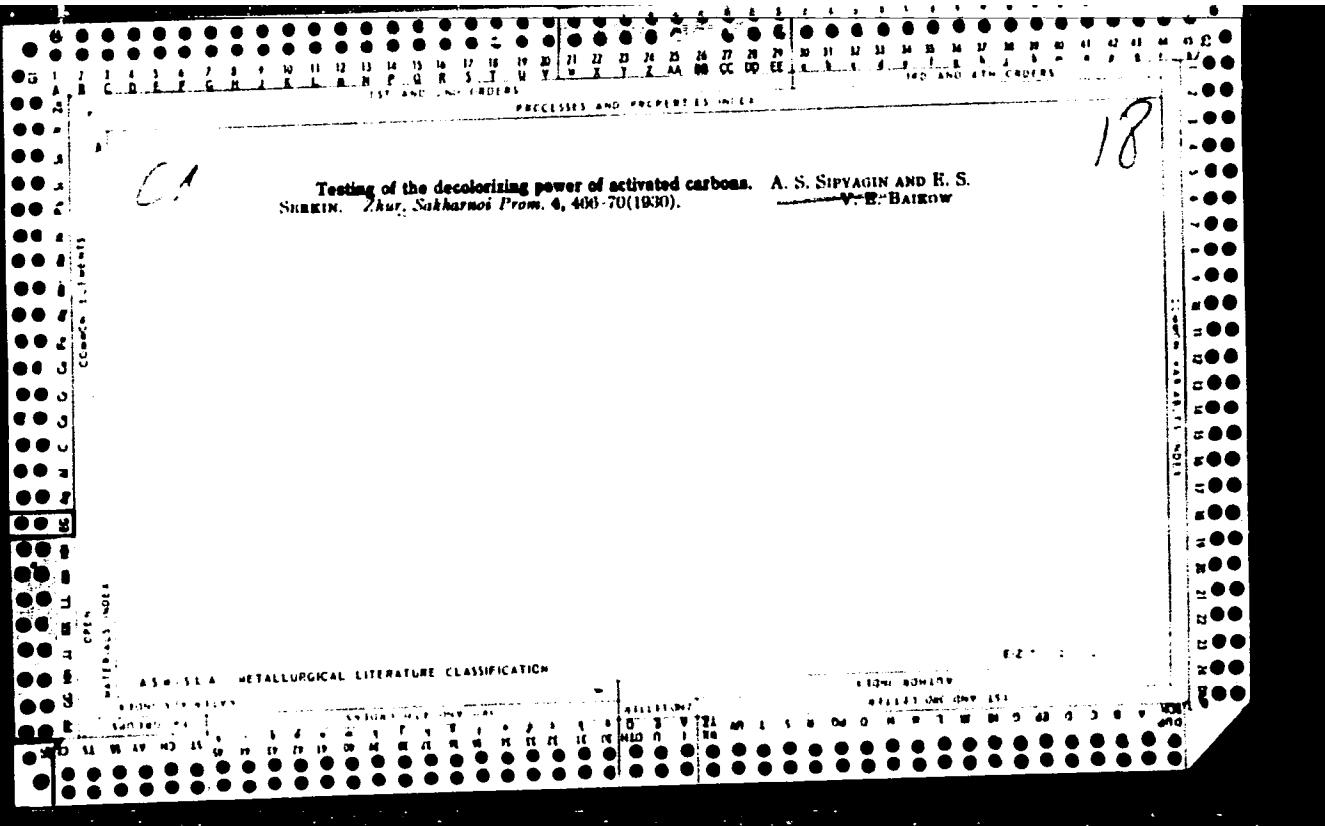
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